NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 12/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	12-10-22	8.29	28	265.3	11.79	12.29
2		"	"	8.35	"	278.9	12.40	
3		"	"	8.48	"	285.6	12.69	

For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 21/09/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	21-09-22	8.14	7	196.6	8.74	8.17
2		"	"	8.29	"	181.0	8.04	
3		"	"	8.35	"	174.0	7.73	

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NCB/YHL-JP/PMC/PKG-01/M10 Date: 12/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Rasaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade Of concrete: **M10**
Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	12-10-22	8.24	28	259.5	11.53	11.79
2		"	"	8.29	"	264.7	11.76	
3		"	"	8.37	"	271.5	12.07	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 21/09/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	21-09-22	8.16	7	185.1	8.23	8.30
2		"	"	8.29	"	183.9	8.17	
3		"	"	8.34	"	191.5	8.51	

For Newzen Consultants Bangalore

Proprietor

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NO: YEL-P/PMC/PKG-01/M10

Date: 12/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	12-10-22	8.19	28	250.0	11.11	11.70
2		"	"	8.36	"	266.0	11.82	
3		"	"	8.41	"	274.0	12.18	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 21/09/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	21-09-22	8.15	7	196.6	8.74	8.19
2		"	"	8.28	"	182.4	8.11	
3		"	"	8.32	"	173.9	7.73	

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Proprietor

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10

Date: 12/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	12-10-22	8.25	28	256.00	11.38	11.64
2		"	"	8.34	"	260.00	11.56	
3		"	"	8.56	"	270.00	12.00	

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NO: YEL-P/PMC/PKG-01/M10 Date: 21/09/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Tree Park	14-09-22	21-09-22	8.13	7	156.00	6.93	7.26
2		"	"	8.26	"	164.00	7.29	
3		"	"	8.39	"	170.00	7.56	

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NO: YEL-P/PMC/PKG-01/M25 Date: 03/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	06-10-22	03-11-22	8.23	28	606.3	26.95	27.55
2		"	"	8.35	"	619.8	27.55	
3		"	"	8.48	"	633.3	28.15	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25

Date: 13/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	06-10-22	13-10-22	8.13	7	412.2	18.32	18.74
2		"	"	8.29	"	419.7	18.65	
3		"	"	8.44	"	432.8	19.24	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25

Date: 03/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weigh t Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	06-10-22	03-11-22	8.24	28	605.8	26.92	27.69
2		"	"	8.39	"	629.3	27.97	
3		"	"	8.47	"	634.1	28.18	

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NO: YEL-P/PMC/PKG-01/M25

Date: 13/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	06-10-22	13-10-22	8.14	7	405.2	18.01	18.72
2		"	"	8.38	"	426.1	18.94	
3		"	"	8.52	"	432.0	19.20	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 26/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collage	28-09-22	26-10-22	8.16	28	596.3	26.50	26.99
2		"	"	8.25	"	605.2	26.90	
3		"	"	8.37	"	620.0	27.56	

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Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 05/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collage	28-09-22	05-10-22	8.13	7	402.3	17.88	18.71
2		"	"	8.27	"	428.2	19.03	
3		"	"	8.34	"	432.1	19.20	

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NO: YEL-P/PMC/PKG-1/STEEL RAILINGS Date: 18.09.2022 to 19.09.2022

1. TEST REPORTS ON GRADATION FOR STEEL RAILINGS

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

Specimen Size: SS Hollow pipe 50mm Dia

Sl.No	Description	Result
1	Thickness	1.68 mm
2	Inner Diameter	50.10 mm
3	Outer Diameter	51.78 mm
4	Weight / Meter	2.528 Kg

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Proprietor

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NEWZEN CONSULTANT Bangalore

NO: YEL-P/PMC/PKG-01/STEEL Date: 08.09.2022

1. Test report on Steel

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Reference to BIS codes: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.395	502	610	1.22	15
2	TMT	10	0.617	526	625	1.19	16.5
3	TMT	12	0.888	534	639	1.20	17
4	TMT	16	1.58	548	646	1.18	18
5	TMT	20	2.47	556	669	1.20	19
6	TMT	25	3.85	563	672	1.19	20

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-03/MS Grill

Date: 03/11/2022

PHYSICAL PROPERTIES OF MS STEEL SPECIMENS

Specimen: 20mm Square Rods

Sub: Testing of MS Sections Technical Ref: IS.432 & IS 2062:2011

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF SPICEMEN SAMPLES

Technical Ref: IS.432 & IS 2062:2011

Table 1.1

SL No	Details Of Test	Result	Requirements as per IS Specifications
1.	Proof Stress/Yeild Stress, fy (N/mm2)	262	250 N/mm2 (min)
2.	Bend / Rebend Test	OK	Sample should Withstand
3.	Percentage of Elongation (%)	28	23.0 - 30.0
4.	Ultimate Tensile Strength, (N/mm2)	496	410 - 530 N/mm2

For Newzen Consultants Bangalore

Proprietor

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Project Division
Yelahanka Zone
BBMP, Bangalore

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-03/MS Grill

Date: 18/10/2022

PHYSICAL PROPERTIES OF MS STEEL SPECIMENS

Specimen: 20mm Square Rods

Sub: Testing of MS Sections Technical Ref: IS.432 & IS 2062:2011

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF SPICEMEN SAMPLES

Technical Ref: IS.432 & IS 2062:2011

Table 1.1

SL No	Details Of Test	Result	Requirements as per IS Specifications
1.	Proof Stress/Yeild Stress, fy (N/mm2)	285	250 N/mm2 (min)
2.	Bend / Rebend Test	OK	Sample should Withstand
3.	Percentage of Elongation (%)	27.5	23.0 – 30.0
4.	Ultimate Tensile Strength, (N/mm2)	462	410 – 530 N/mm2

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NO: YEL-P/PMC/PKG-03/MS Grill

Date: 18/10/2022

PHYSICAL PROPERTIES OF MS STEEL SPECIMENS

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Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

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RESULTS OF SPICEMEN SAMPLES

Technical Ref: IS.432 & IS 2062:2011

Table 1.1

SL No	Details Of Test	Result	Requirements as per IS Specifications
1.	Proof Stress/Yeild Stress, fy (N/mm2)	272	250 N/mm2 (min)
2.	Bend / Rebend Test	OK	Sample should Withstand
3.	Percentage of Elongation (%)	28	23.0 – 30.0
4.	Ultimate Tensile Strength, (N/mm2)	455	410 – 530 N/mm2

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NO: YEL-P/PMC/PKG-01/Paver Block 60mm Date: 08.09.2022

1. Test report on Paver Block 60mm

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Sl.No	Identification	Thickness, mm	Average thickness, mm
1	01	60.12	60.14
2	02	60.16	

2. COMPRESSIVE STRENGTH:

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	693.2	24,200	28.64	286.4	Minimum required Compressive Strength of Individual Units 281 Kg/m^2
2	02	696.7	24,200	28.78	287.8	

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96	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding,	:	Kg	120.375	Work done up to the billed quantity and Quality is satisfactory
97	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding,	:	Kg	67.5	Work done up to the billed quantity and Quality is satisfactory
98	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc.,	:	Kg	8140.25	Work done up to the billed quantity and Quality is satisfactory

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NO: YEL-P/PMC/PKG-01/M25 Date: 21/10/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	14-10-22	21-10-22	8.15	7	409.5	18.20	18.59
2		"	"	8.22	"	416.7	18.52	
3		"	"	8.34	"	428.3	19.04	

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NO: YEL-P/PMC/PKG-01/M25 Date: 11/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	In Govt Degree Collagel	14-10-22	11-11-22	8.12	28	610.2	27.12	27.68
2		"	"	8.39	"	623.3	27.70	
3		"	"	8.46	"	634.8	28.21	

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NO: YEL-P/PMC/PKG-01/Ceramic Tiles Date: 22.09.2022 to 27.09.2022

1. Test report on Steel

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Technical Reference: IS: 13630 - 2006 - Method of Testing Ceramic Tiles IS 15622 - 2006 - Specification of Ceramic Tiles

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 1562 (Reaffirmed 2006)
1	300x300x5.2	49.7	47.48	Average 47, indivisual minimur N/mm^2
2	300x300x5.3	47.6		
3	300x300x5.5	46.5		
4	300x300x5.6	48.2		
5	300x300x5.4	45.4		

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Date: 13/09/2022

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**28.65 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.00 %**	Not more than 35.0 %
3.	Water absorption, %	**0.55 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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